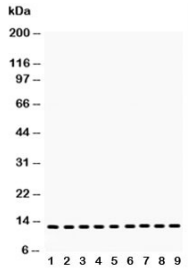
# Cytochrome C Antibody (R31747)

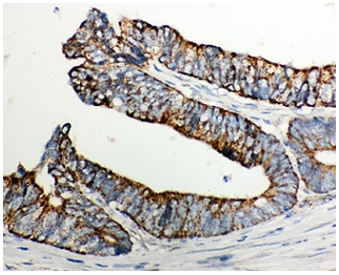
| Catalog No. | Formulation | Size |
|---|---|---|
| R31747 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

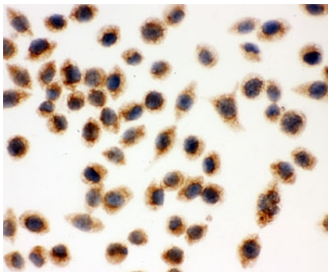
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide |
| **Gene ID** | 54205 |
| **Localization** | Cytoplasmic |
| **Applications** | Western Blot : 0.5-1ug/ml<br>Immunohistochemistry (FFPE) : 0.5-1ug/ml<br>Immunocytochemistry : 0.5-1ug/ml<br>Immunofluorescence (FFPE) : 1-2ug/ml |
| **Limitations** | This Cytochrome C antibody is available for research use only. |



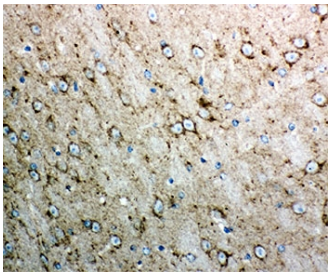

Western blot testing of Cytochrome C antibody and Lane 1: rat brain; 2: mouse brain; 3: (r) heart; 4: (m) heart; 5: human U87; 6: (m) Neuro-2a; 7: (h) HeLa; 8: (h) Jurkat; 9: (h) placenta lysate. Predicted molecular weight: 12~14 kDa.



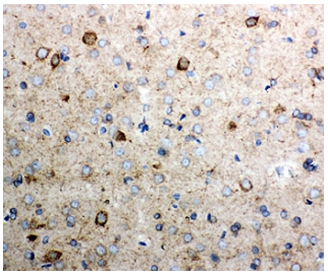
IHC-P: Cytochrome C antibody testing of human intestinal cancer tissue. HIER: steamed with pH6 citrate buffer.



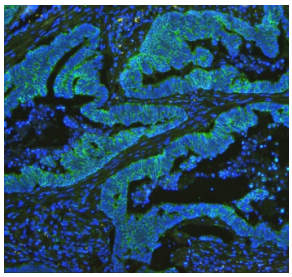
ICC testing of Cytochrome C antibody and SMMC-7721 cells



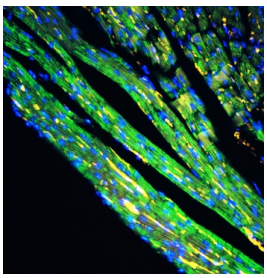
IHC-P testing of mouse brain tissue. HIER: steamed with pH6 citrate buffer.



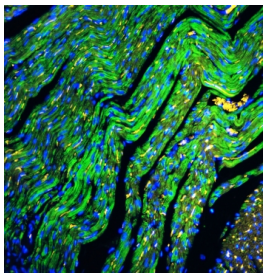
IHC-P testing of rat brain tissue. HIER: steamed with pH6 citrate buffer.



Immunofluorescent staining of FFPE human intestinal cancer tissue with Cytochrome C antibody (green) at 1ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Immunofluorescent staining of FFPE mouse heart tissue with Cytochrome C antibody (green) at 1ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Immunofluorescent staining of FFPE rat heart tissue with Cytochrome C antibody (green) at 1ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.

## Description

CYCS is also known as CYC, HCS or THC4. This gene encodes a small heme protein that functions as a central component of the electron transport chain in mitochondria. The encoded protein associates with the inner membrane of the mitochondrion where it accepts electrons from cytochrome b and transfers them to the cytochrome oxidase complex. This protein is also involved in initiation of apoptosis. Mutations in this gene are associated with autosomal dominant nonsyndromic thrombocytopenia. Numerous processed pseudogenes of this gene are found throughout the human genome.

## Application Notes

Titration of the Cytochrome C antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (AA 2-105) was used as the immunogen for this Cytochrome C antibody.

## Storage

Store the Cytochrome C antibody at 4oC. After reconstitution, aliquot and store at -20oC. Avoid repeated freezing and thawing.